<u>Figure 1 (SEQ ID NO 1)</u>: Amino acid sequence of the protein PPTA from *P. chrysogenum* coded by the nucleic acid molecule according to the invention (illustrated from the N-terminus to the C-terminus).

1	MVDPSVSGIT	KMDTNDIKQN	DIPKDQPTLV	RWYMDVRRWD	EKYFDLPLLE
51	TLTQPDQAAV	KKYYQTSDKR	LSLASQLLKY	YYIHQATGTP	WSKIEIQRTP
101	MPENRPFYDS	SLDFNVSHQA	GLTLFAGTRA	ATAHSLSGGP	QTLPRVGIDV
151	ACVDEPSRRR	ANRPPKTLAD	LATFVDVFSD	VLSLRELATI	KNPYATLKLA
201	RELGLNKSDP	SKDDQEVLAA	YGIRLFYSIW	ALKEAYLKMT	GDGLLASWIK
251	DLEFTNVVPP	EPVQTVGFAG	DPSATHAPSV	QNWGRPYSDV	KISLRGIPDH
301				VVVNDSDHHL	
351	TGLQNVRIPP	IALRSIGDGD	PWRVDSKISD	PWLPMQEVDI	EIDIRPCADG
401	RCEHLRDLPS	F			

<u>Figure 2 (SEQ ID NO 2)</u>: Genomic DNA sequence of the coding region of the pptA gene of *P. chrysogenum* from the translation start codon (ATG) to the translation stop codon (TAA). The intron is underscored. A single strand from the 5'- to 3'-direction is illustrated.

_	_				
1		ccagtgtgtc			
51	gagtgcaccc	<u>actgaccaat</u>	<u>ttcaq</u> accaa	aatggatacc	aatgatatca
101	aacagaatga	catccccaag	gaccagccca	cgttggtccg	atggtacatg
151	gatgtcagac	gttgggatga	aaaatacttt	gatctccctt	tgcttgaaac
201	cttaacacag	cctgatcagg	cagctgtcaa	gaagtactat	caaacatcgg
251	acaagcgcct	gtccttggcc	tcccagttgc	tgaaatatta	ctacattcac
301	caagccactg	gcactccctg	gagcaagatt	gagatccagc	gtactccgat
351	gcccgaaaat	cgaccattct	acgattcaag	cctggatttc	aacgtcagcc
401		tctcactctg			
451		gtggacctca			
501	gtgtgttgat	gaaccctctc	gtcgtcgtgc	taatcgtccc	ccgaagacac
551 .	ttgccgacct	tgcaaccttc	gtggatgtct	tcagtgacgt	tctctcactc
601		cgaccatcaa			
651		ctgaataaaa			
701		cggcattcgg			
751	gcttacttga	aaatgaccgg	agacggcctt	ctggcctctt	ggataaagga
801	tctggaattc	acaaacgttg	ttccccccga	accagttcaa	acagtcggat
851	ttgctggtga	tccttctgcc	actcacgcgc	cctcggtcca	aaattggggc
901	cggccttact	ccgatgtcaa	aatctccttg	cgtggcattc	ctgaccattc
951		cagctcgtcg			
1001	ccgcgtcggg	ccccaatatt	ggatccgttt	cgcggcaggt	agtcgtgaat
1051	gacagcgatc	accatctgcc	agggcgtatc	acagccttcg	actctgagac
1101		aacgtccgca			
1151		ctggcgtgtg			
1201		tcgatattga	_		
1251		ctacgggatt	_		
	2 2 3	223	9		

Figure 3 (SEQ ID NO 3): cDNA sequence of the coding region of the pptA gene of *P. chrysogenum* from the translation start codon (ATG) to the translation stop codon (TAA), a single strand from the 5'- to 3'-direction is illustrated.

1 51 101 151	atggtagacc caaacagaat tggatgtcag accttaacac	gacatcccca acgttgggat	aggaccagcc gaaaaatact	aaaatggata cacgttggtc ttgatctccc aagaagtact	cgatggtaca tttgcttgaa
201	ggacaagcgc	ctgtccttgg		gctgaaatat	
251	accaagccac	tggcactccc	tggagcaaga	ttgagatcca	
301	atgcccgaaa	atcgaccatt		agcctggatt	tcaacgtcag
351	ccatcaggct	ggtctcactc		cacgcgtgcc	gcaacagccc
401	actccttatc	cggtggacct	caaacattgc	ctcgcgtggg	aattgacgtt
451	gcgtgtgttg	atgaaccctc	tcgtcgtcgt	gctaatcgtc	ccccgaagac
501	acttgccgac	cttgcaacct	tcgtggatgt	cttcagtgac	gttctctcac
551	tccgtgagct	tgcgaccatc	aagaacccgt	acgcgactct	taaattggct
601	cgtgagcttg	gtctgaataa	aagtgacccg	agcaaagacg	accaggaagt
651	ccttgctgcc	tacggcattc	ggctgttcta	ctcgatttgg	gctctcaagg
701	aggcttactt	gaaaatgacc	ggagacggcc	ttctggcctc	ttggataaag
751	gatctggaat	tcacaaacgt	tgttcccccc	gaaccagttc	aaacagtcgg
801	atttgctggt	gatccttctg	ccactcacgc	gccctcggtc	caaaattggg
851	gccggcctta	ctccgatgtc	aaaatctcct	tgcgtggcat	tcctgaccat
901	tctgtgcgcg	ttcagcccgt	cggcttcgag	tccgactaca	tagttgccac
951	ggccgcgtcg	ggccccaata	ttggatccgt	ttcgcggcag	gtagtcgtga
1001	atgacagcga	tcaccatctg	ccagggcgta	tcacagcctt	cgactctgag
1051	actggactcc	agaacgtccg	cattccccca	atcgcgcttc	gatcaattgg
1101	cgatggggac	ccctggcgtg	tggactcgaa	aatcagcgac	ccctggctcc
1151	ccatgcagga	ggtcgatatt	gaaatcgata	tccggccctg	tgcggatggt
1201	cgttgcgagc	acctacggga	tttaccaagc	ttttaa	

<u>Figure 4 (SEQ ID NO 4)</u>: Genomic DNA sequence of a Sall fragment of a genomic clone of the pptA gene (a single strand from the 5'- to 3'-direction is illustrated). The translation start codon (ATG) and the translation stop codon (TAA) of the coding region are underscored and illustrated in bold; the intron is underscored.

gtcgaccgaa gtggtttcgg ttcactcgca catcaagacc accgatcagc 51 tettgeeege eettetttgt ettgttggea gaeteggeaa geaaaatgag 101 cccggcgcat gtaccccacg tcggtttgcg atccactctg cataacccac 151 gtattagatc gaattgatat ggactaaccc ggttcactca ctttacgaat 201 tctcgcagtg gctcgagaag atttgacctt gctgcgacta aagacatagt 251 ggtactctcg cctccgggca agaccaggcc gtcgcatgtt gccagttctt 301 gtggcgtccg tacttcaatg aagtgccatt ccgacggctg cgcttgctca 351 qcqqcctttt tcaaaaqctq cacatqctca aagaatqcqc cctqtaqqqc 401 caggactcca acagtgatag ccatttcctc tgaagatcgg aattgcggac 451 cctccqaqct cqqqtqcttc ttgatattga tgactctttt taaaqcacat 501 qactttqact ttccgqcqqq qaacqtatca acacqtgatq qcqqcttatc 551 tccatcttta attccacgcg acatcaggat atcgtgagag ctctcggacg 601 attectgege aetttgaaaa cagaetgeat aacegaggea ttatagtata 651 aaacaaatag actcacctac agaaagagtg ataagttagg tcctatacct 701 qtttccaatq tttctctctc ttqctqqatc aqctttaaca tatctatqqa 751 tggtatcttg gatagtcata gtcatattgc gcttgctatt gcatgtctct 801 ttgctacatc ctatttatgg tattatgtac acggcctgtt tctcgtttgc 851 cggcctattg atgtatacat gtattggtgt aggtagttat tgcctcgcct 901 tatcqacacq tqctqataqa taaqqacccc gataaqacgc caacatqqct 951 tctatccagg tgtggatgct ccgcatccaa ggtgcgaata tacgagatca 1001 caatgcaatq gtagacccca gtgtgtctgg aattgtgagt agccacatag 1051 cctccatqaq tqcacccact gaccaatttc aqaccaaaat ggataccaat 1101 qatatcaaac aqaatqacat ccccaaqqac cagccacgt tggtccqatg 1151 gtacatggat gtcagacgtt gggatgaaaa atactttgat ctccctttgc 1201 ttgaaacctt aacacagcct gatcaggcag ctgtcaagaa gtactatcaa 1251 acateggaca agegeetgte ettggeetee eagttgetga aatattaeta 1301 cattcaccaa gccactggca ctccctggag caagattgag atccagcgta 1351 ctccgatgcc cgaaaatcga ccattctacg attcaagcct ggatttcaac 1401 gtcagccatc aggctggtct cactctgttc gcaggcacgc gtgccgcaac 1451 agcccactcc ttatccgqtq qacctcaaac attqcctcqc qtqqqaattq 1501 acgttgcgtg tgttgatgaa ccctctcgtc gtcgtgctaa tcgtcccccg 1551 aagacacttg ccgaccttgc aaccttcgtg gatgtcttca gtgacgttct 1601 ctcactccgt gagcttgcga ccatcaagaa cccgtacgcg actcttaaat 1651 tqqctcqtqa qcttqqtctq aataaaaqtq acccqaqcaa agacqaccag 1701 gaagteettg etgeetaegg catteggetg ttetaetega tttgggetet 1751 caaggagget taettgaaaa tgaceggaga eggeettetg geetettgga 1801 taaaggatet ggaatteaca aacgttgtte eeceegaace agtteaaaca 1851 gteggatttg etggtgatee ttetgeeact caegegeect eggteeaaaa ttggggccgg ccttactccg atgtcaaaat ctccttgcgt ggcattcctg 1901 accattetgt gegegtteag etegtegget tegagteega etacatagtt 1951 2001 gecaeggeeg egtegggeee caatattgga teegtttege ggeaggtagt 2051 cgtgaatgac agcgatcacc atctgccagg gcgtatcaca gccttcgact 2101 ctgagactgg actccagaac gtccgcattc ccccaatcgc gcttcgatca 2151 attggcgatg gggacccctg gcgtgtggac tcgaaaatca gcgacccctg 2201 getececatg caggaggteg atattgaaat egatateegg eeetgtgegg

2251 2301 2351	tgctgggata	tgaccaggcg	accatgcacc	caagcttt <u>ta</u> cgagttattt gtttttcgga	gcatattgca
2401	cccttgaaca	tatttctgca	ttgctgtatt	gccattagcg	aaaattcccg
2451	agctagttgt	agttgatttc	ctggaacgct	gggggagtgc	cgctcagatg
2501	ttcatctcca	ataagcccct	caatgaatct	tcacttcatc	ggatccaagg
2551	tcaatcttcg	agatcaagtg	caagttgccc	agaaagcacg	ggtaaagaaa
2601				taaactaaaa	
2651	aagaaaagca	agtatccaac	agtaggcggg	tcatgacatg	cgtgtgcgct
2701	aaggatatat	acatttcgaa	ttgcaaagag	ggaagaggtg	aatcaggagt
2751	gaaatgtgtg	tcaagaggca	atgtcaatgt	caagatcatt	gttgctctca
2801	tgagcagtca	cggattgtgt	cggattgttc	ggcgtctggg	gccctcagat
2851	tctatttctg	ggtcatgagc	ttgagagtag	gtaccgaaga	agtgagcagt
2901	attatactgc	agtgagtgtt	tagggggaat	tccttctggt	gaattgtggc
2951	gttcggggtt	gctctccggt	cttatgggtc	ttaatctgga	tgcccgatag
3001	tgcacccaag	ttaggagaaa	aacatatggt	aagtgttaat	cgtggagcag
3051	tgtggcgaat	cgcgaattgg	gtttggcact	tagatttcga	tggcgctaga
3101				atttttatgc	gcgtgggaca
3151	ttgctgcaag	agttttgagc	atcgaatccc	gcgtcgac	